

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-11. (Canceled).

12. (Previously Presented) A method for a rollover stabilization of a vehicle in a critical driving situation, comprising:

measuring different driving-condition variables by a sensor system;

causing an actuator to intervene with a rollover-stabilization algorithm in a vehicle operation in a situation critical to rollover, in order to stabilize the vehicle; and

estimating information from a relationship between a steering variable and a roll variable, the information relating to a rollover tendency of the vehicle and being taken into account in a scope of the rollover stabilization.

13. (Previously Presented) The method as recited in Claim 12, further comprising:

ascertaining one of an indicator variable and one of a characteristic property and a variable of the rollover stabilization as a function of the rollover tendency, wherein:

a stabilization action is one of enabled and deactivated in accordance with the indicator variable.

14. (Currently Amended) The method as recited in Claim 12, wherein the steering variable includes ~~one of~~ a steering angle ~~and a steering speed~~.

15. (Currently Amended) The method as recited in Claim 12, wherein the roll variable includes ~~one of contact patch forces of wheels, a compression travel, a vertical acceleration, a roll angle, and a roll rate~~.

16. (Currently Amended) The method as recited in Claim 12, further comprising:
changing, as a function of the rollover tendency, ~~one of~~ a control threshold of the rollover-stabilization algorithm, ~~a control deviation, and a controlled variable of the rollover-stabilization algorithm~~.

U.S. Pat. Appl. Ser. No. 10/553,112
Attorney Docket No. 10191/4153
Reply to Office Action of April 10, 2008

17. (Previously Presented) The method as recited in Claim 12, further comprising: ascertaining, from the steering variable and the roll variable, a rollover indicator indicating the rollover tendency of the vehicle.

18. (Previously Presented) The method as recited in Claim 17, wherein the rollover indicator is determined by a fuzzy-information processing unit.

19. (Previously Presented) The method as recited in Claim 18, further comprising: weighting the rollover indicator by a weighting function indicating a quality of an estimation of the rollover indicator.

20. (Withdrawn) A vehicle-dynamics control system for a rollover stabilization of a vehicle in a critical driving situation, comprising:
a control unit for storing a rollover-stabilization algorithm;
a sensor system for measuring current, actual values of the control system;
an actuator for executing a stabilization action, wherein:
the sensor system ascertains a roll variable and a steering variable; and
a device for estimating a rollover tendency of the vehicle from the steering variable and the roll variable, the rollover tendency being taken into account in a scope of the rollover stabilization.

21. (Withdrawn) The vehicle-dynamics control system as recited in Claim 20, wherein the control unit ascertains one of an indicator variable, with the aid of which a stabilization action is one of enabled and deactivated, a characteristic property, and a variable of the rollover-stabilization algorithm, as a function of the rollover tendency.

22. (Withdrawn) The vehicle-dynamics control system as recited in Claim 20, wherein the sensor system includes a roll-rate sensor for ascertaining the roll variable.

23. (Withdrawn - New) The method as recited in Claim 12, wherein the steering variable includes a steering speed.

24. (Withdrawn - New) The method as recited in Claim 12, wherein the roll variable includes one of contact patch forces of wheels, a compression travel, a vertical acceleration, and a roll angle.

U.S. Pat. Appl. Ser. No. 10/553,112
Attorney Docket No. 10191/4153
Reply to Office Action of April 10, 2008

25. (Withdrawn - New) The method as recited in Claim 12, further comprising:
changing, as a function of the rollover tendency, one of a control deviation and a
controlled variable of the rollover-stabilization algorithm.